R E P O R T R E S U M E S

ED 018 927 EF 000 332

FORTY YEARS OF SCHOOL PLANT DISSERTATIONS. A REVIEW WITH SUGGESTIONS FOR FUTURE RESEARCH.

BY- CLASEN, ROBERT E.
WISCONSIN UNIV., MADISON

PUB DATE APR 64

EDRS PRICE MF-$0.25 HC-$1.16 27P.

DESCRIPTORS- *BIBLIOGRAPHIES, *BUILDINGS, *DOCTORAL THESES, *EDUCATIONAL RESEARCH, SCHOOL BUILDINGS, RESEARCH

A BIBLIOGRAPHIC REVIEW OF PUBLISHED AND UNPUBLISHED DISSERTATIONS RELATED TO SCHOOL PLANTS IS COMPILED BY YEARS BEGINNING WITH STUDIES PRODUCED IN 1921 AND IS CROSS INDEXED BY TOPIC. IT REVIEWS THE SCHOOL PLANT PROBLEMS MOST INVESTIGATED BY STUDENTS. A BRIEF HISTORY OF SCHOOL BUILDING DEVELOPMENT IS PRESENTED IN LIGHT OF CORRESPONDING ECONOMIC AND SOCIAL TRENDS. AREAS OF STUDY WHICH HAVE BEEN NEGLECTED ARE POINTED OUT. STUDIES IN CERTAIN TYPES OF INTERNAL AND EXTERNAL DESIGN, LIGHT, COLOR, ACOUSTICS AND BUILDING MATERIALS HAVE NOT BEEN CONDUCTED BECAUSE OF THE DIFFICULTY IN ASSESSING THEIR EDUCATIONAL VALUE. THE REVIEW SUGGESTS STUDIES OF VALUE COULD BE CONDUCTED IN ENVIRONMENTAL EFFECTS ON THE LEARNER, AND MORE STUDIES COULD ALSO BE CONDUCTED ON INTERIOR SPACE UTILIZATION. (GM)

ED018927

FORTY YEARS OF SCHOOL PLANT DISSERTATIONS: A REVIEW WITH SUGGESTIONS FOR FUTURE RESEARCH

A Review

Presented to

Dr. North of the Department of Educational- Administration

In Partial Fulfillment

Of the Requirements for Education 800

by

Robert E. Clasen

April 1964

EF000332

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL OFFICE OF EDUCATION POSITION OR POLICY.

Well over two hundred doctoral candidates in fifty-seven schools have written doctoral dissertations related to school plant planning and design in the four decades begginning in 1921 and ending in 1961. Nearly one-fifth of these were produced at Columbia University and only five schools (Stanford, Southern California, California, New York University, and the University of Wisconsin) have produced more than five such studies as determined by the data herein reviewed and appended. It may thus be concluded that very little doctoral level work has been done on the problem of school plant for this period of time.

The vast majority of dissertations which were produced in this same time period have been basically descriptive in nature. The local district survey has been the most popular subject while other topics included factors of cost analysis, school size and its relationship to a variety of factors, schemes for state support of public school building programs, and various methods for projecting enrollments. Several have been descriptions of programs already in operation with little value for generalization.

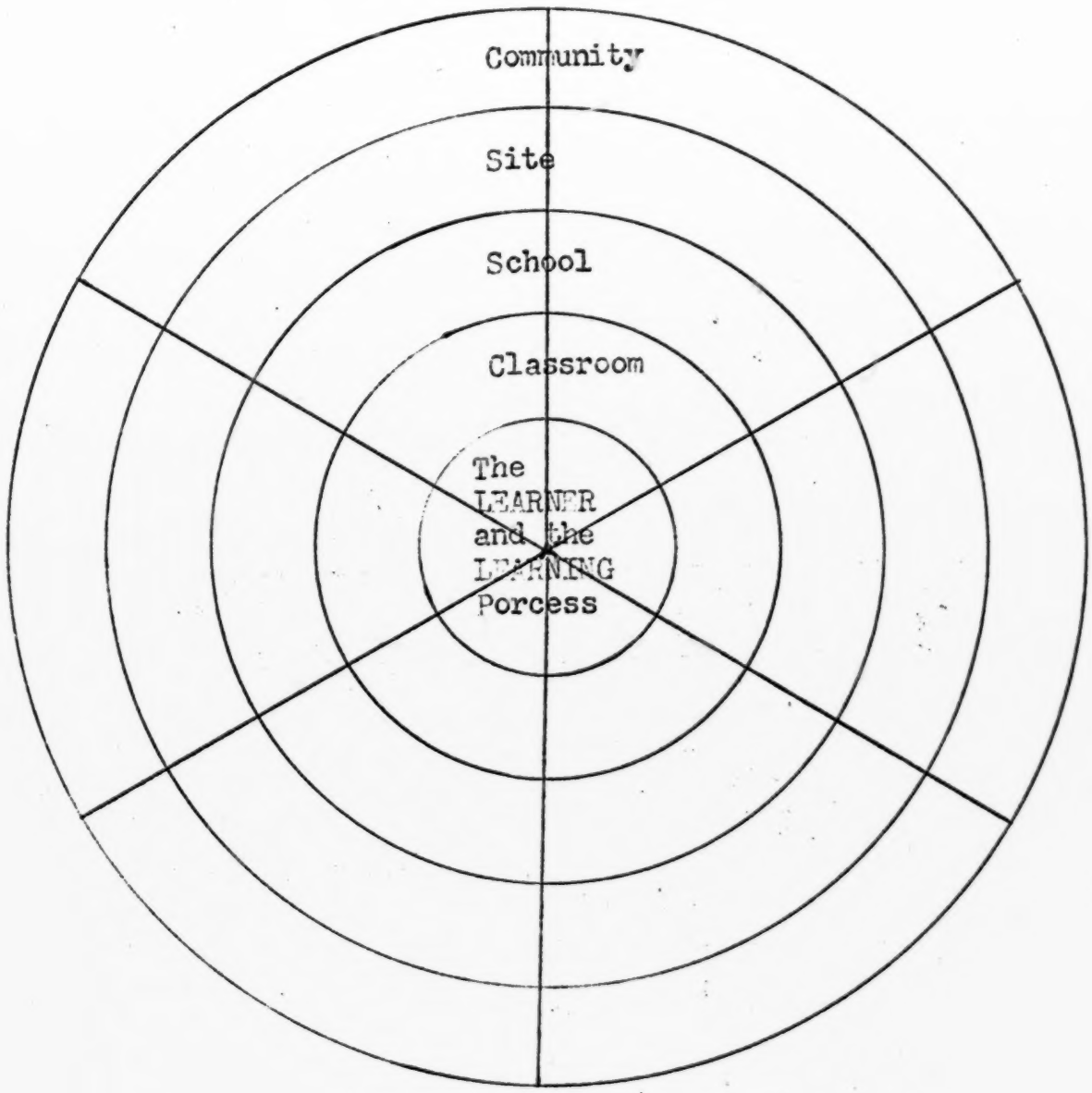
Looking at dissertation materials alone it is nearly impossible to sense the flow and change which have been prevalent in education for the forty year period as it relates to school plant. Historically, the building boom of the post war twenties was followed by the slump of the depressed thirties, the near stoppage of the war-torn forties and finally the overwhelming and continuing boom of the late forties and early fifties. The baby boom of the post war years caused a tremendous increase in plant needs into the present decade. Because of the drastic

nature of the suddenness of the population increase it has been possible to follow the tidal wave of plant needs as the flood of children poured through the grades, the high schools and presently, the colleges. This history is reflected in a few articles about construction costs relative to the war and the depression and articles pertaining to enrollment projection. Few of the dissertations reflect the need for plant alteration inspired by the changing of educational thought and the proliferation of knowledge that have occurred in this time period.

A hasty skim through any periodical which concerns itself with school plant will render more information about the obvious changes in schools which have occurred. The elimination of certain roof styles and basements, the development of repetitive rigid form structural units, the inception of the modular basis of design and non-load bearing walls, and the attention given to light, color, finishes, acoustics, and the quest for inexpensive but durable and maintainable materials has gone on without dissertation leadership.

The reason for such a failing in the doctoral program seems to stem from the relative difficulty of measuring the effect of a wall upon a child, and secondly, and perhaps more significantly, from the total lack of organization in the field of school plant research. Information which has been developed has been allowed to lie fallow because of a lack of communication. The lack of communication stems from the fact that it is relatively difficult to ascertain whether or not the ideas involved are new. It seems time for an elaborate paradigm for school plant with a subsequent gathering of information to make it useful.

Tentative paradigm for school plant research.



The concentric circles indicate that all of these factors are related and the object of school plant research must be the relationships that exist between each and every other. The lines gathering in the center suggests that the child is the focal point of all educational research and that the function of the school is to teach.

As an example of the kinds of information that could be developed and cataloged using this paradigm one could consider the effect of light, heat, space, color and comfort upon the learner and learning. He could then work with the location of rooms to each other and to the administrative units along with the flexibility and adaptability of various room styles to the exigencies of program. Relationships between school and site might lead to the development of roof-top play areas for certain activities or strategic location of the building in terms of ingress and egress, heat loss, and esthetics. These are obvious examples, but serve to demonstrate the organizational pattern developed by reference to a paradigm. As each of these relationships is investigated, digested, and reported, it could then be cataloged and communicated because studies of this nature are indeed capable of sustaining generalization.

Because of the nature of many of the problems of school plant, an interdisciplinary approach has much to recommend itself for the production of knowledge. The plant team would have to be composed of educators, psychologists, engineers, architects, and financial experts. Their task would be to develop knowledge about the teacher and learner and their relationship to the physical and physically induced psychological forces that operate upon the human and his capacity to learn.

A first positive step which colleges could take would to be to require more of doctoral students than elaborate polls or compilation of data which has little relevancy for the future. The subject of school plant planning and design is worth more.

Records of dissertations written or published which pertained specifically to school plant reveal that it is only very recently that a sizeable number have been produced. The following list includes all of those titles found listed in the series of books which is now known as Dissertation Abstracts.

1921

1. Hayes, Augustus W. RURAL COMMUNITY ORGANIZATION. U. of Chicago

1922

2. Taylor, Howard C. THE EDUCATIONAL SIGNIFICANCE OF THE EARLY FEDERAL LAND ORDINANCES. Columbia

1923

3. Twente, John Wesley. BUDGETARY PROCEDURE FOR A LOCAL SCHOOL SYSTEM. Columbia

1924

1925

1926

1927

4. Rufi, John. A STUDY OF CERTAIN SMALL HIGH SCHOOLS. Columbia

5. Tai, Shwang-Chow. OBJECTIVE MEASURES USED IN DETERMINING THE EFFICIENCY OF THE ADMINISTRATION OF SCHOOLS. Columbia

6. Foster, Harry Lee. COUNTY SCHOOL ORGANIZATION IN MISSOURI. U. of Missouri

1929

7. Caswell, H. L. CITY SCHOOL SURVEYS. Columbia

8. Clifton, John L. SMALL SECONDARY SCHOOLS IN OHIO: PERSONALITY AND SHORTCOMINGS. Ohio State U.

1930

9. Sherman, Jackson R. PHYSICAL EDUCATION FACILITIES FOR PUBLIC ACCREDITED HIGH SCHOOLS IN ALABAMA. Columbia

10. Altstetter, Michael Louis. THE ELEMENTARY TRAINING SCHOOL BUILDING. George Peabody College

11. Blom, Edward Charles. RADIO AND ELECTRIC POWER SUPPLY EQUIPMENT FOR SCHOOLS. Columbia

1931

12. Byrne, Lee. CHECK LIST MATERIALS FOR PUBLIC SCHOOL BUILDING SPECIFICATIONS. Columbia

13. Chamberlain, Leo Martin. THE HOUSING OF THIRTY PUBLIC JUNIOR COLLEGES OF THE MID-WEST AND TENTATIVE STANDARDS AND PRINCIPLES RELATING TO BUILDINGS AND EQUIPMENT. U. OF KENTUCKY

14. Essex, Don L. BONDING VS. PAY AS YOU GO IN THE FINANCING OF SCHOOL BUILDINGS. Columbia

15. Proctor, Arthur Marcus. SAFEGUARDING THE SCHOOL BOARD'S PURCHASE OF THE ARCHITECT'S WORKING DRAWINGS. Columbia

1932

16. Brodschaug, Melvin. BUILDINGS AND EQUIPMENT FOR HOME ECONOMICS IN THE SECONDARY SCHOOLS. Columbia

17. Smith, Dora V. CLASS SIZE IN HIGH SCHOOL ENGLISH: METHODS AND RESULTS. U. of Minnesota

1933

18. Long, Frank M. DESIRABLE PHYSICAL FACILITIES FOR AN ACTIVITY PROGRAM. Columbia

19. Sahlstrom, John W. SOME CODE CONTROLS OF SCHOOL BUILDING CONSTRUCTION IN AMERICAN CITIES. Columbia

20. Manville, Charles E. SCHOOL AND MUNICIPAL COSTS IN THE FIRST AND SECOND DISTRICTS OF PENNSYLVANIA. U. of Pittsburgh

21. Ricksecker, Cleve. HIGH SCHOOL SUBJECT COSTS IN OHIO. U. of Pittsburgh

22. Bays, John A. SCHOOL BONDED DEBT POLICIES IN FIFTY-TWO WISCONSIN CITIES 1931-1932. U. of Wisconsin

23. Hutchins, Heriot. A PLAN FOR ENGINEERING THE FINANCIAL BURDENS OF WISCONSIN HIGH SCHOOLS. U. of Wisconsin

24. Windisheim, Karl A. PRACTICAL APPARATUS FOR SOUND RECORDING AND REPRODUCING IN THE SPEECH CLASSROOM AND THE LABORATORY CLINIC. U. of Wisconsin

25. Webb, Paul E. INTERRELATIONS OF SIZE, COST, AND CURRICULUM IN JUNIOR COLLEGES. Yale

1934-1935

26. Reiterman, Carl. CLASSIFICATION AND CODIFICATION OF SCHOOL EXPENDITURES. U. of California

27. Bernard, Ted B. EDUCATION UNDER DIFFERENT TYPES OF DISTRICT ORGANIZATION. Columbia

✓28. Cheney, Ray E. EQUIPMENT SPECIFICATIONS FOR HIGH SCHOOLS; THEIR USE AND IMPROVEMENT. Columbia

1936

✓ 29. Holy, Russell A. THE RELATIONSHIP OF CITY PLANNING TO SCHOOL PLANT PLANNING. Columbia

✓30. Davis, Melvin G. A CASE STUDY AND APPRAISAL OF THE FUNCTIONAL ADEQUACY OF JUNIOR HIGH SCHOOL BUILDING PLANNING. U. of Iowa

31. Lambert, Asail C. A STUDY OF SOME FACTORS THAT AFFECT THE NEED FOR THE TRANSPORTATION OF PUPILS. Stanford

✓32. Hanson, Warren A. SCHOOL PLANT OPERATION COSTS. Yale

1937

✓33. Gracey, Frank M. A HISTORY OF SECONDARY SCHOOL ARCHITECTURE IN MASSACHUSETTS. Boston

✓34. Steinhauer, Milton H. FIRE INSURANCE ON PUBLIC SCHOOL PROPERTY IN PENNSYLVANIA. U. of Pennsylvania

1938

1939

✓35. Engelhardt, Nikolaus. SCHOOL BUILDING COSTS: AN ANALYSIS OF FIFTY-TWO BUILDINGS CONSTRUCTED IN NEW YORK 1930-1937. Columbia

✓36. Herber, Harvard T. THE INFLUENCE OF THE WORKS PROGRESS ADMINISTRATION ON SCHOOL BUILDING CONSTRUCTION IN NEW YORK 1933-1936. Columbia

37. Mott, George F. HOUSING OF COLLEGE STUDENTS IN THE UNITED STATES. U. of Minnesota

38. Seger, Garretta K. A STUDY OF AN ADEQUATE BUILDING AND RECREATION FIELD SUITABLE TO THE NEEDS OF THE REVISED PROGRAM AT GENESEO, NEW YORK. U. of New York

1940-1941

39. Johnson, Homer Leslie. THE RELATIONSHIP OF LIGHT IN THE SCHOOL ROOM TO SCHOLARSHIP. U. of Missouri

40. McCleary, Edward James. A CRITICAL SURVEY OF SCHOOL COSTS IN 19 LONG ISLAND SCHOOL DISTRICTS. U. of New York

1941-1942

41. Nelson, Dempsey Lloyd. PUBLIC SCHOOL FIDELITY BONDING. So. California

42. Romoda, Joseph John. SOURCES OF INFORMATION ON THE COMMUNITY AVAILABLE FROM GOVERNMENTAL AND SOCIAL SERVICE AGENCIES. Syracuse

1943-1944

43. Norrix, Loy. EFFECTS OF OVER-ALL PROPERTY TAX LIMITATION UPON SCHOOLS AND MUNICIPALITIES IN THE STATE OF MICHIGAN. U. of Chicago

44. Johnston, Robert Ward. LEGAL ASPECTS OF INSURING PUBLIC SCHOOL PROPERTY. George Peabody

45. Martin, George B. THE OPERATION OF THE CALIFORNIA LAW REGULATING THE CONSTRUCTION OF SCHOOLS TO WITHSTAND EARTHQUAKE SHOCK. U. of California, Berkely

1945-1946

46. White, Ellis. A COMPARATIVE STUDY OF CONSOLIDATION AND NON-CONSOLIDATION OF SCHOOLS IN VALLEY STREAM, NEW YORK. U. of New York

47. Jarman, Cecil A. STATE RESPONSIBILITY FOR FIRE INSURANCE OF PUBLIC SCHOOL BUILDINGS IN NORTH CAROLINA. U. North Carolina

48. Westhogen, Milton H. A THEORY OF THE OBSOLESCENCE OF BUILDINGS AND ITS RELATION TO PUBLIC FINANCE, EDUCATION, AND OTHER SERVICES TO THE COMMUNITY WITH SPECIAL REFERENCE TO CHICAGO. Northwestern

49. McCormick, George A. A COMPARATIVE STUDY OF ADMINISTRATIVE COSTS OF PUBLIC SCHOOLS IN SELECTED CITIES OF NEW YORK, PENNSYLVANIA, AND OHIO -- 1935-1944. U. of Pittsburgh

1947

50. Brown, Milton W. STANDARDS FOR SCHOOL PLANT CONSTRUCTION ESTABLISHED BY STATE REQUIREMENTS. U. of Chicago

51. Cooper, Dan H. THE CITY SCHOOL SURVEY AS AN INSTRUMENT FOR EDUCATIONAL PLANNING. U. OF CHICAGO

52. Miller, Norman. A SCHOOL PLANT PROGRAM FOR THE TYRONE PUBLIC SCHOOLS TYRONE, PA. U. of New York

53. Stuart William C. THE RELATION OF THE SIZE AND LOCATION OF HIGH SCHOOLS TO THE ACHIEVEMENT OF THEIR STUDENTS. U. of New York

54. Upton, Roland H. A STUDY OF FIRE INSURANCE COSTS AND PRACTICES IN CITY SCHOOLS. U. of So. California

55. Ormsby, George W. THE EFFECTS OF EXTREMELY RAPID EXPANSION IN A COMMUNITY ON ITS ELEMENTARY SCHOOLS: A CASE STUDY. Stanford.

1948

56. Sawyer, William E. THE EVOLUTION OF THE MORRILL ACT OF 1862. Columbia

57. Bemis, Maynard R. COMPLETE STATE AND FEDERAL FINANCING OF PUBLIC SCHOOL BUILDING CONSTRUCTION WITH SPECIAL REFERENCE TO THE STATE OF COLORADO. U. of Colorado

58. Elliot, Lloyd R. THE EFFECTS OF BIRTH RATE ON THE PUBLIC SCHOOL ENROLLMENTS AND THE NEED FOR TEACHERS. U. of Colo.

59. McClure, William P. THE EFFECT OF POPULATION SPARSITY ON SCHOOL CONSTRUCTION. Columbia

60. Lindman, Erich L. THE DEVELOPMENT OF AN EQUALIZED MATCHING FORMULA FOR APPORTIONING STATE AID FOR CONSTRUCTION OF SCHOOL BUILDINGS. U. OF WASHINGTON

61. Robinson, Edward C. AN ANALYSIS AND INTERPRETATION OF THE TRENDS IN THE COST OF CURRENTLY OPERATING THE PUBLIC SCHOOLS OF ALASKA -- 1939-1947. U. of Washington

62. Doudna, Quincy V. FINANCING WISCONSIN SCHOOLS. U. of Wisconsin

1949

63. Benbow, Spencer D. DETERMINATION OF SPECIFICATIONS FOR THE HOUSING AND LAYOUT OF SCHOOL SHOPS IN CALIFORNIA. U. of California

64. Woollat, Lorne H. THE COST-QUALITY RELATIONSHIP ON THE GROWING EDGE: A STUDY OF RETURNS FOR MONEY SPENT IN HIGH EXPENDITURE SCHOOL SYSTEMS. Columbia

65. McCollough, Donald R. AN EDUCATIONAL SURVEY OF DISTRICTS MAINTAINING FIRST CLASS SMALL HIGH SCHOOLS IN MISSOURI. U. of Missouri

66. Libby, Herschel S. A BUILDING PROGRAM FOR THE PUBLIC SCHOOLS OF IOVINGTON, NEW JERSEY. U. of New York

67. Fergusen, Alex P. CERTAIN FACTORS IN THE LOCATION OF SCHOOL BUILDINGS IN NORTH DAKOTA. North Dakota

68. Jarvis, Emerson D. METHODS OF FINANCING SCHOOL BUILDING CONSTRUCTION IN THE 48 STATES. U. of Ohio

69. Stratton, Joseph M. AN ANALYSIS OF EDUCATIONAL PLANT NEEDS OF WEST READING, PENNSYLVANIA. U. of Pennsylvania

70. Lindhurst, James. THE EFFECTS OF THE ASSESSMENT OF REAL AND TANGIBLE PERSONAL PROPERTY UPON A STATE PROGRAM FOR THE FINANCING OF EDUCATION IN MISSOURI. Washington U. at St. Louis

71. Horn, Francis. EVALUATION OF A SCHOOL SURVEY: A CASE STUDY OF THE CO-OPERATIVE STUDY OF THE LINCOLN, NEBRASKA, SCHOOLS. Yale

1949-1950

72. Leston, John W. BETTER SCHOOL BUILDINGS FOR ALABAMA -- A PLANNING MANUAL. Columbia

73. Tullman, Nathan E. SCHOOL PLANT FACILITIES DESIRABLE FOR COMMUNITY USE IN A COMMUNITY SCHOOL PROGRAM. Cornell

74. Moench, Francis J. THE FORMULATION OF STANDARDS FOR THE FUNCTIONAL PLANNING OF PHYSICAL EDUCATION FACILITIES FOR SECONDARY SCHOOLS. U. of New York

75. Jones, Benjamin. COSTS OF BUILDINGS AND EQUIPMENT OF JUNIOR COLLEGES IN THE UNITED STATES. U. of Texas

76. Wilborn, Lee J. THE IMPROVEMENT OF THE TOTAL PROGRAM OF THE ALLAN JUNIOR HIGH SCHOOL IN AUSTIN, TEXAS, BASED UPON ON ANALYSIS OF PUPIL NEEDS. U. of Texas

1950-1951

77. Nuttall, Drayton B. STATE AID FOR SCHOOL BUILDING CONSTRUCTION IN UTAH. U. of Boston

78. Gammager, Marshal O. A STUDY OF THE SCHOOL PLANT FACILITIES OF MT. VERNON, NEW YORK. Columbia

79. Twichell, William S. A STUDY OF THE FUTURE BUILDING REQUIREMENTS OF THE PUBLIC SCHOOLS OF RAMSEY, NEW YORK. Columbia

80. Wolffer, Wilfred C. OBSOLETE AND SUB-STANDARD SCHOOL BUILDINGS IN NEW YORK STATE. Columbia

81. Kunsela, William R. AN ANALYSIS OF SCHOOL PLANT FACILITIES FOR THE HIGH SCHOOL DEPARTMENT OF VOCATIONAL AGRICULTURE IN NEW YORK. Cornell

82. Woodham, William J. THE RELATIONSHIP BETWEEN SIZE OF SECONDARY SCHOOLS, THE PER PUPIL COST, AND THE BREADTH OF EDUCATIONAL OPPORTUNITY. U. of Florida

83. Bollinger, Elroy W. PRINCIPLES FOR THE CONSTRUCTION OF VOCATIONAL HIGH SCHOOL BUILDINGS. U. of Ohio

84. Vaughn, Tory D. PROBLEMS IN FINANCING CAPITAL OUTLAY FOR PUBLIC SCHOOL PURPOSES. U. of Oklahoma

1951-1952

85. McGaw, Sidney E. EQUIPMENT NEEDS FOR VOCATIONAL MACHINE SHOP CLASSES. U. of Boston

86. Plucker, Orwin K. A STUDY OF THE ADMINISTRATION OF A SCHOOL CENSUS AND ATTENDANCE SERVICES IN PUBLIC SCHOOLS IN COLORADO. U. of Colorado

87. Ayer, Frederic. AN ANALYSIS OF CERTAIN COMMUNITY CHARACTERISTICS RELATED TO THE QUALITY OF EDUCATION. Columbia

88. Carpenter, Richard E. SCHOOL BUILDING SURVEY: MONTGOMERY COUNTY, MARYLAND. Columbia

89. Calvey, James W. FEES FOR ARCHITECTURAL SERVICES IN SCHOOL CONSTRUCTION IN THE METROPOLITAN AREA SURROUNDING NEW YORK. Columbia

90. Forbes, Ernest E. SCHOOL BUILDING SURVEY FOR THE CITY OF NEW BRITAIN, CONNECTICUT. Columbia

91. Steele, Herbert L. A SUGGESTED GUIDE TO PROCEDURES FOR SCHOOL BUILDING PROGRAMS IN THE STATE OF IDAHO. Columbia

92. Connolly, Charles H. MEASURES OF COST OF POST-WAR BUILDINGS: 47 SCHOOLS 1947-1949. U. of New York

93. Myers Gavon T. FINANCING PIBLIC SCHOOL BUILDING CONSTRUCTION IN SOUTH CAROLINA. U. of North Carolina

94. Conrad, Marion J. A TECHNIQUE FOR DETERMINING THE OPERATING CAPACITY OF SECONDARY SCHOOL BUILDINGS. Ohio State

95. Close, Wendell C. THE MARKETING OF SCHOOL BONDS. Southern California

96. Wilson, Claude V. PUBLIC SCHOOL SURETY BOND PRACTICES. So. California

97. Edinger, Ward I. AN ANALYSIS OF OF THE LEGAL CONTROL OF SCHOOL BUILDING PLANNING AND CONSTRUCTION IN THE FORTY-EIGHT STATES. Syracuse

98. Venn, Grant. DEVELOPMENT OF A LONG RANGE EDUCATIONAL PLAN IN BEILEVUE, WASHINGTON. Washington State

99. Knezevich, Stephen J. FINANCIAL ABILITIES OF LOCAL SCHOOL DISTRICTS IN WISCONSIN TO PROVIDE ADEQUATE SCHOOL PLANT FACILITIES FOR PUBLIC EDUCATION. U. of Wisconsin

1952-1953

100. Patterson, Dow. TECHNIQUES FOR DETERMINING SITE AND BUILDING NEEDS FOR CALIFORNIA JUNIOR COLLEGES. U. C. L. A.

101. Winkle, John F. PUBLIC SCHOOLHOUSING IN BROWN COUNTY, OHIO, WITH RECOMMENDATIONS FOR IMPROVEMENTS. U. of Cincinnati

102. McDavit, Herbert W. A SCHOOL BUILDING SURVEY FOR THE PUBLIC SCHOOL DISTRICT OF SOUTH ORANGE AND MAPLEWOOD, NEW JERSEY. Columbia

103. Tyler, James W. STANDARD CONTRACT FORMS FOR THE CONSTRUCTION OF SCHOOL BUILDINGS. George Peabody College

104. Peck, Roderick B. INFLUENCE OF ENROLLMENT AND EXPENDITURE UPON QUALITY OF EDUCATION IN IOWA SCHOOL DISTRICTS MAINTAINING HIGH SCHOOLS. Iowa State

105. Taylor, Floyd L. A SCHOOL INSURANCE PROGRAM FOR NEBRASKA. U. of Nebraska

106. Shenk, Harry W. THE HISTORY AND DEVELOPMENT OF FINANCING PUBLIC SCHOOL BUILDING IN PENNSYLVANIA THROUGH A MUNICIPAL AUTHORITY. U. of Pennsylvania

1953-1954

107. Dressler, Frank J. A STUDY OF THREE SURVEYS OF THE PUBLIC SCHOOLS. 1914-1930-1950. U. of Buffalo

108. Diel, Ferdinand. ALLOCATION OF FLOOR SPACE IN PLANS OF MODERN SCHOOL BUILDINGS. U. of California (Berkely)

109. Cereste, Alfred J. THE SCHOOL PLANT NEEDS OF UNION FREE DISTRICT # 24 PATCHOGUE AND MEDFORD. Columbia

110. Clark, David L. A COOPERATIVE STUDY OF COSTS OF DIFFERENT LEVELS OF ELEMENTARY EDUCATION IN CERTAIN NEW YORK STATE SCHOOLS. Columbia

111. Matthews, John C. THE REPORT OF THE SURVEY OF THE PUBLIC SCHOOLS OF CHARLOTTETOWN, PRINCE EDWARDS ISLAND. Columbia

112. Brainerd, David S. A CRITICAL ANALYSIS OF PUBLIC SCHOOL BUILDING STANDARDS. U. of Denver

113. WILLIAMS, PAUL P. TECHNIQUES FOR STUDYING CERTAIN SCHOOL-COMMINITY RELATIONSHIPS. U. of Florida (Gainseville)

114. Landrum, Horace M. A SUPERINTENDENT'S HANDBOOK FOR SCHOOL BUILDING, PLANNING AND CONSTRUCTING. U. of Houston

115. Kirkpatrick, Herman L. CLASSROOM REQUIREMENTS BY CURRICULAR AREAS IN A SELECTED GROUP OF ACCREDITED HIGH SCHOOLS. U. of Illinois

116. Curtin, James R. A PLAN FOR STATE AID FOR CAPITAL OUTLY IN IOWA. U. of Iowa

117. McDonald, William R. THE MANAGEMENT OF EQUIPMENT IN THE PUBLIC SCHOOLS. U. OF Southern California

118. Egling, George T. ADMINISTERING A RAPIDLY GROWING SCHOOL DISTRICT. U. of Southern California

119. Wirt, Glen M. BUILDING NEEDS OF AN ELEMENTARY SCHOOL DISTRICT. Stanford

120. Hatch, Monroe L. STATE SUPPORT OF LOCAL PUBLIC SCHOOLS IN WISCONSIN. U. of Wisconsin

1954-1955

121. Davenport, Lawrence C. AN ANALYSIS OF CERTAIN PROBLEMS IN THE OPERATION AND MAINTENANCE OF COLLEGE AND UNIVERSITY BUILDINGS AS A GUIDE IN THE PLANNING OF FUTURE BUILDINGS. U. of Arkansas

122. Gowin, Lawrence E. PREFABRICATED PRIMARY SCHOOL BUILDINGS IN GREAT BRITAIN. U. of California (Berkely)

123. Wilson, William O. STATE SCHOOL PLANT STANDARDS AND REQUIREMENTS. U. of Indiana

124. Yeokum, Charles F. A PROGRAM FOR THE FINANCING OF CAPITAL OUTLAY IN PUBLIC SCHOOLS OF THE STATE OF KANSAS WITH PROVISIONS FOR STATE ASSISTANCE. U. of Kansas

125. Osgood, Johnathan A. PRESENT AND FUTURE SCHOOL PLANT NEEDS FOR THE SALEM, NEW HAMPSHIRE, SCHOOL DISTRICT. U. of New York

1955-1956

126. Newell, Richard F. THE INVESTIGATION AND DEVELOPMENT OFA BUILDING PROGRAM FOR THE DESIGN OF A NEW PLANT FOR ERIE COUNTY TECHNICAL INSTITUTE, BUFFALO, NEW YORK. U. of Buffalo

127. McGinnis, George Crawford. CONTRACTS BETWEEN THE SCHOOL DISTRICT AND THE ARCHITECT. U. OF CALIFORNIA

128. Grout, W. Stuart. THE LOCAL NEWSPAPER AS AN INSTRUMENT FOR INTERPRETING THE SCHOOL'S EDUCATIONAL PROGRAM. U. of Chicago

129. Burley, Frances J. PLANNING FACILITIES FOR SECONDARY ART ROOMS. Columbia

130. Leech, Russell Y. THE SCHOOL PLANT NEEDS OF THE WOONSOCKET PUBLIC SCHOOLS OF WOONSOCKET, RHODE ISLAND. Columbia

131. Pindell, Watson F. A SURVEY OF THE PLANT NEEDS OF THE FALLSBURGH CENTRAL SCHOOL DISTRICT #1, FALLSBURGH, NEW YORK. Columbia

132. Langford, John A. THE AMORTIZATION OF COMMITTMENTS FOR CAPITAL OUTLAY IN CONNECTICUT SCHOOL DISTRICTS. U. of Connecticut

133. Teets, Louis E. RELATIONSHIP IN THE ELEMENTARY SCHOOL BETWEEN SIZE, PER PUPIL COST, AND THE EXTENT OF EDUCATIONAL OPPORTUNITY. U. of Florida (Gainesville)

134. Brammer, Lowell H. A TECHNIQUE FOR THE STUDY OF UNIT COSTS OF HIGHER EDUCATION IN COLLEGES FOR TEACHER EDUCATION. U. of Indiana.

✓ 135. Lucht, George. A STUDY OF SPACE UTILIZATION AND UNIT COSTS OF 75 ELEMENTARY SCHOOL BUILDINGS CONSTRUCTED IN INDIANA DURING 1948-1954. U. of Indiana

✓ 136. Smith, Edgar B. ABILITY OF KENTUCKY PUBLIC SCHOOL DISTRICTS TO FINANCE NEEDED SCHOOL BUILDING FACILITIES. U. of Indiana

✓ 137. Unruh, Daniel Wallace. AN ANALYSIS OF COMMUNITY USES OF SELECTED ELEMENTARY SCHOOLS IN INDIANA. U. of Indiana

✓ 138. Parker, Floyd G. THE ROLE OF THE NEBRASKA STATE DEPARTMENT OF EDUCATION IN PROVIDING SCHOOL PLANT SERVICES. U. of Nebraska

✓ 139. Osgood, Johnathan A. PRESENT AND FUTURE SCHOOL PLANT NEEDS FOR THE SALEM, NEW HAMPSHIRE, SCHOOL DISTRICT. U. of New York

✓ 140. Whigham, Edward L. EDUCATIONAL PLANNING FOR SCHOOL PLANT CONSTRUCTION. U. of New York

✓ 141. Herndon, Allen James. AN ANALYSIS OF CERTAIN FACTORS ASSOCIATED WITH FINANCING CAPITAL OUTLAY FOR TEXAS PUBLIC SCHOOLS. North Texas State

✓ 142. Johns, Robert E. A PLAN FOR AREA TECHNICAL SCHOOLS IN CHESTER COUNTY PENNSYLVANIA. U. of Pa.

✓ 143. Di Paola, Peter Paul. A MATHEMATICALLY SOUND HYPOTHESIS FOR ESTIMATING FUTURE SCHOOL ENROLLMENTS. St. John's U.

✓ 144. Peters, Jon S. CRITERIA FOR SCHOOL PLANT OPERATIONS. Stanford

✓ 145. Webber, Robert A. A STUDY OF SCHOOL FINANCE AND SCHOOL HOUSING PROBLEMS OF AN EXPANDING CITY UNIFIED SCHOOL DISTRICT. Stanford

✓ 146. Hayes Ernest. A STUDY OF THE PROBLEM OF THE ALLOCATION OF SPACES IN NEW HIGH SCHOOLS TO MEET THE NEEDS OF VARIOUS DEPARTMENTS. U. of Washington

1956-1957

147. Edgar William J. FACTORS WHICH AID OR IMPEDE THE ESTABLISHMENT OF REGIONAL SECONDARY SCHOOLS IN MASSACHUSETTS. U. of Boston

148. Wardle, Orrin Dermont. EQUITY IN THE FINANCIAL ASPECTS OF THE CALIFORNIA STATE BUILDING PROGRAM. U. of Cal.

149. Bittle, Raymond E. AN ANALYSIS OF THE IMPLEMENTATION OF RECOMMENDATIONS OF THE COUNTY SCHOOL BUILDING SURVEYS OF SPECIFIED COUNTIES OF FLORIDA. U. of Florida

150. McGuffey, Carroll Wade. A STUDY TO DETERMINE THE SERVICES AND STAFF NEEDED TO PROVIDE A STATE SCHOOL PLANT PROGRAM FOR GEORGIA. Florida State

151. Wright, Vincent Paul. POST WAR CAPITAL OUTLAY PROGRAMS IN PUBLIC SCHOOL ADMINISTRATION. Harvard

152. Wilber, Austin Mills. A PROPOSED PLAN FOR THE FINANCING OF SCHOOL BUILDING CONSTRUCTION IN MICHIGAN. U. of Michigan

153. Parker, Kenneth H. RELATING GUIDANCE PHILOSOPHY TO FUNCTION: A STUDY OF THE LOCATION OF GUIDANCE FACILITIES WITHIN THE SCHOOL PLANT. Michigan State

154. Oliver, Kenneth D. A PROPOSED PLAN FOR A NATION-WIDE CONTINUOUS SCHOOL CENSUS. U. of Missouri

155. Bush Donald O. NEBRASKA STATE-WIDE PLAN FOR THE DETERMINATION OF SCHOOL PLANT NEEDS. U. of Nebraska

156. Conrad, Marion J. A TECHNIQUE FOR DETERMINING THE OPERATING CAPACITY OF SECONDARY SCHOOL BUILDINGS. Ohio State

157. Caverovis, Joseph P. AN ANALYSIS OF LEGAL PROBLEMS IN SCHOOL BUILDING CONSTRUCTION BY AUTHORITIES IN PENNSYLVANIA. U. of Pennsylvania

158. Davies, Marcus W. EXTENDED USE OF SCHOOL PLANT FACILITIES. U. of Pittsburgh

159. THE LEGAL AUTHORITY PERTAINING TO THE ACQUISITION AND ADMINISTRATION OF SCHOOL PROPERTY IN NEW JERSEY. Rutgers

160. Kermoian, Samuel B. URBAN COMMUNITY MATURATION AND SCHOOL PLANT PLANNING. Stanford

161. Ice, Rolf E. AN APPRAISAL OF TEACHER PARTICIPATION IN SECONDARY SCHOOL PLANNING. Stanford

162. McDougall, Stanely D. THE USE AND FUNCTIONS OF MULTI-PURPOSE ROOMS IN SANTA CLARA COUNTY, CALIFORNIA. Stanford

163. Phillips, Paul. A SURVEY OF CONSTRUCTION FEATURES FOUND IN 325 NEW ELEMENTARY SCHOOL BUILDINGS. Temple

164. Thomas, James E. A STUDY OF TRENDS IN SCHOOL BUILDING CONSTRUCTION OF TENNESSEE. U. of Tennessee

165. Baker Marvin L. A STUDY OF JUNIOR COLLEGE BUILDINGS AND EQUIPMENT IN THE UNITED STATES, 1955. U. of Texas

166. Foreman, Charles M. A PROCEDURE GUIDE FOR SCHOOL PLANT CONSTRUCTION FOR THE STATE OF WYOMING. U. of Wyoming

167. Coetschius, Donald G. A STUDY OF THE FUNCTIONAL ASPECTS OF THE MODERN SCHOOL CLASSROOM. U. of Wyoming

1957-1958

168. Collins, George J. AN ANALYTICAL REVIEW OF SELECTED DOCTORAL DISSERTATIONS AND PROJECTS UNDERTAKEN IN AMERICAN COLLEGES FROM 1912-1957 ON SCHOOL PLANT PLANNING AND DESIGN WITH PROPOSALS FOR FURTHER RESEARCH. Columbia

169. Fink, Paul J. THE ASSEMBLY AND ANALYSIS OF DATA USED IN SELF SURVEYS OF SCHOOL PLANT NEEDS. Columbia

170. Willis, Charles W. A PROGRAM OF SCHOOL CONSTRUCTION DESIGNED TO SAFEGUARD THE CURRENT OVERAVING PROGRAM IN MARYLAND. Columbia

171. McConnell, William R. A PLAN FOR THE SCHOOL CENSUS AND ITS USE TO MEET THE NEEDS OF ILLINOIS SCHOOL DISTRICTS. U. of Illinois

172. Lathrop, Irvin T. SCHOLASTIC ACHIEVEMENT AT IOWA STATE COLLEGE ASSOCIATED WITH HIGH SCHOOL SIZE AND COURSE PATTERN. U. of Iowa

173. Greene, Leslie F. CRITICAL APPRAISAL OF BONDING PRACTICES IN MICHIGAN PUBLIC SCHOOLS. Michigan State

174. Autio, Andrew W. A STUDY OF LIBRARY PRACTICES AND FACILITIES PROVIDED IN SELECTED ELEMENTARY SCHOOLS IN NEBRASKA. U. of Nebraska

175. Root, Bill M. A FOLLOW UP STUDY OF SCHOOL PLANT SURVEYS COMPLETED BY THE BUREAU OF EDUCATIONAL RESEARCH AND SERVICE BETWEEN 1946-1956. Ohio State

176. Rutledge, Delbert D. A STUDY OF THE RELATIONSHIP BETWEEN EDUCATIONAL OPPORTUNITY AND THE ECONOMIC WELL BEING IN THE COUNTIES OF OKLAHOMA. Oklahoma State

✓177. Salisbury, Donald R. SPACE AND COST ALLOCATION FOR SERVICE, ADMINISTRATIVE AND INSTRUCTIONAL AREAS IN SELECTED ELEMENTARY AND SECONDARY SCHOOLS. Penn. State

178. Brown, William E. HIGH SCHOOL SIZE: ITS RELATIONSHIP TO SELECTED EDUCATIONAL AND COST FACTORS. U. of So. Cal.

✓179. Everly, Roger B. AN EVALUATION OF ALTERNATIVE PRACTICES IN PLANNING HIGH SCHOOL PLANTS. U. of Southern California

180. Andrews, Lloyd N. RELATIONSHIP OF HIGH SCHOOL SIZE TO SCHOOL COMMUNITY RELATIONSHIPS. Stanford

✓181. Fortner, Carrot H. SCHOOL MAINTENANCE AND OPERATION IN TENNESSEE PUBLIC SCHOOLS. U. of Tennessee

✓182. Raper William E. A STUDY OF PHYSICAL PLANTS AND THEIR UTILIZATION IN TENNESSEE STATE SUPPORTED SCHOOLS OF HIGHER EDUCATION. U. of Tennessee

✓183. Bohn, Louis D. DESIRABLE AND UNDESIRABLE BUILDING FEATURES AND SPACES IN SELECTED ELEMENTARY SCHOOLS. U. of Texas

✓184. Sanders, David C. AN EVALUATION OF INNOVATIONS IN ELEMENTARY CLASSROOM SEATING. U. of Texas

✓185. Belnap, Ralph A. SCHOOL BUILDING NEEDS IN WYOMING. U. of Wyoming

1958-1959

✓186. Angel, Frank. CONTROLS IN STATE PROGRAMS FOR FINANCING PUBLIC SCHOOL PLANT FACILITIES. U. California

✓187. Elliot, Robert T. AN EVALUATION TO THE CALIFORNIA PUBLIC SCHOOL AID LAW OF 1947. U. of California

✓188. Matsler, Franklin G. STATE CONTROLS IN PROVISIONS FOR FINANCING PUBLIC SCHOOL CAPITAL OUTLAY SUPPORT PROGRAMS IN CALIFORNIA AND FLORIDA. U. of California

189. Hodgson, John H. THE SCHOOLS WITHIN A SCHOOL PLAN. Columbia

190. Monez, Thornton B. EDUCATIONAL SPECIFICATIONS FOR A PROPOSED NEW SENIOR HIGH SCHOOL BUILDING FOR CALDWELL-WEST CALDWELL, NEW JERSEY. Columbia

191. York, William J. THE SCHOOLS WITHIN A SCHOOL: A STUDY OF SELECTED SECONDARY HIGH SCHOOLS THAT EMBODY THIS PLAN. Columbia

192. Herman, Jerry J. A STUDY BETWEEN CERTAIN SELECTED FACTORS AND THE SUCCESS OR FAILURE OF BOND ISSUES IN FOURTH CLASS DISTRICTS IN MICHIGAN. U. of Michigan

193. Holloway, Heber H. CENTRAL OFFICE SPACES FOR UNIFIED SCHOOL DISTRICTS. U. of Southern California

194. Kennedy, Curtis Hollie. CRITERIA FOR PLANNING THE ADMINISTRATIVE UNIT IN THE ELEMENTARY SCHOOL. U. of Southern California

195. Walker, Robert D. THE COST OF EQUIPPING HIGH SCHOOL AND JUNIOR COLLEGE BUSINESS EDUCATION CLASSROOMS. U. of Southern California

196. Ovard, Glen F. PLANNING SOCIAL STUDIES FACILITIES FOR THE SECONDARY SCHOOLS. Stanford

197. Santee, Harold T. ESTABLISHING SCHOOL BUILDING NEEDS IN THE INGLEWOOD, CALIFORNIA, UNIFIED SCHOOL DISTRICT. Stanford

198. Simpson, Raymond J. SURVEY CONSULTANCY IN OPERATION IN A UNION HIGH SCHOOL DISTRICT: A CASE STUDY. Stanford

199. Eisentrout, George M. A STUDY OF THE FINANCING OF SCHOOL BUILDING CONSTRUCTION IN THE STATE OF WASHINGTON. U. of Washington

200. Bottomly, Forbes. A STUDY OF METHODS FOR IDENTIFYING ADEQUATE PROFESSIONAL STANDARDS FOR POSSIBLE APPLICATION TO SCHOOL PLANT CONSULTING SERVICES. Washington State

201. Chatburn, Joseph W. A SCHOOL PLANT FACILITIES PLAN FOR THE CONNELL SCHOOL DISTRICT, STATE OF WASHINGTON. Washington State

202. North, Stewart Donovan. SOME CHARACTERISTICS OF PROGRAMS OF STATE SUPPORT FOR SCHOOL PLANTS. University of Wisconsin

1959-1960

203. Kawalek, Thaddeus P. THE EDUCATIONAL IMPLICATIONS OF PROPERTY ASSESSMENT PRACTICES IN ILLINOIS. U. of Chicago

204. Curtin, Thomas P. THE EFFECT OF INCREASED SCHOOL ENROLLMENTS ON SCHOOL COSTS IN CONNECTICUT. U. of Connecticut

205. Bartel, Roy A. A COMPARISON OF SCHOOL OPERATING COSTS OF SELECTED KANSAS CITIES OF THE SECOND CLASS 1956-1957. U. of Kansas

206. Christ, Christ Alex. A SURVEY OF PRACTICES IN SELECTED SCHOOL DISTRICTS IN KANSAS PERTAINING TO CERTAIN PROBLEMS ASSOCIATED WITH SCHOOL BUILDING CONSTRUCTION. U. of Kansas

207. Martin, Francis B. MULTIPURPOSE UNITS IN THE ELEMENTARY SCHOOLS: APPROPRIATE ACTIVITIES AND REQUIRED FACILITIES. U. of Southern California

208. Menozzi, John C. AN ATTEMPT TO DETERMINE THE OPTIMUM SIZE OF PUBLIC SECONDARY SCHOOLS. U. of Denver

209. Lee, Donald. AN INVESTIGATION OF TECHNIQUES FOR PREDICTING SCHOOL DISTRICT ENROLLMENTS IN FLORIDA. U. of Florida

210 Fuller, William S. SPACE ALLOCATION, PUPIL CAPACITY AND UNIT COSTS OF TWENTY SELECTED PUBLIC SECONDARY SCHOOL BUILDINGS CONSTRUCTED IN INDIANA DURING 1948-1958. U. of Indiana

211. Gallein, Glenn S. THE STATUS OF BUILDING MAINTENANCE PERSONNEL OF THE PUBLIC SCHOOLS OF TENNESSEE AND RECOMMENDED PERSONNEL POLICIES. U. of Mississippi

212. Boerrigter, Glenn C. TECHNIQUES AND PROCEDURES BY WHICH COMMUNITY UTILIZATION OF SCHOOL BUILDINGS CAN BE ACHIEVED WITHOUT INTERFERENCE WITH KINDERGARTEN THROUGH GRADE TWELVE DAY SCHOOL PROGRAM. U. of Nebraska

213. Mowry, William H. THE DEVELOPMENT OF SCHOOL PLANT AND BUILDING PROCEDURES IN PENNSYLVANIA. Penn. State

214. Willing, Robert E. THE ROLE OF THE DISTRICT EMPLOYEE IN CHARGE OF SCHOOL PLANNING AND CONSTRUCTION. U. of Southern California

215. McLean, Robert F. THE RELATIONSHIP OF SCHOOL PLANT EXPENSE AND BUILDING COMPACTNESS IN ELEMENTARY SCHOOL BUILDINGS. Stanford

216. Wilsley, Carl E. SCHOOL SITE COSTS IN RAPIDLY EXPANDING SUBURBAN AREAS. Stanford

217. Zimmerman, William J. THE RELATIONSHIP OF THE INITIAL COST AND THE MAINTENANCE COST IN ELEMENTARY SCHOOL BUILDINGS. Stanford

218. Simmons, Noah G. THE EVERGING DESIGN FOR THE COMPREHENSIVE AMERICAN HIGH SCHOOL 1913-1922. U. of Washington

219. Petersen, Delbert G. THE HISTORY AND DEVELOPMENT OF THE LONG RANGE IN THE BELLEVUE SCHOOL DISTRICT. Wash. State

1960-1961

220. Crocker, Jack W. THE RELATIONSHIP OF SIZE AND ORGANIZATIONAL TYPE TO CERTAIN FACTORS IN ALABAMA'S WHITE JUNIOR HIGH SCHOOLS. U. of Alabama

221. Smith, Foy W. AN ANALYSIS OF THE RELATIONSHIP OF SIZE OF ARKANSAS HIGH SCHOOLS AND THE ACHIEVEMENT OF COLLEGE BOUND SENIORS. U. of Arkansas

222. Hess, Fritz. AN ANALYSIS OF CODES REGULATING SELECTED HIGH SCHOOL SANITARY FACILITIES. Columbia

223. Hobbs, Walter J. COOPERATIVE PLANNING FOR THE CONSTRUCTION OF SCHOOL BUILDINGS. Columbia

224. Lindbloom, Ray Leander. PUBLIC VOTING BEHAVIOR ON SCHOOL BUDGET AND BOND ISSUES AND ITS RELATIONSHIP TO LOCAL SCHOOL PROPERTY TAX INCIDENCE. Columbia

225. Wright, John Joseph. STORAGE FACILITIES NEEDED IN A COMPREHENSIVE SENIOR HIGH SCHOOL IN NEW YORK STATE. Columbia

226. Young, Ward R. A SURVEY OF SCHOOL PLANT NEEDS OF UNION FREE SCHOOL DISTRICT #2, TOWNS OF AUSTIA, DOVER, UNION, VALE, AND WASHINGTON; DUTCHESS COUNTY, NEW YORK. Columbia

227. Backus, Thomas A. A STUDY OF CONSTRUCTION AND MAINTENANCE COSTS IN RELATIONSHIP TO TRUE ECONOMY OF OPERATION. Florida State U.

220. Bealer, David B. AN INVESTIGATION OF CERTAIN FACTORS INFLUENCING THE OPTIMUM SIZE FOR ELEMENTARY SCHOOL ATTENDANCE UNITS. Iowa State

229. Braun, Frank Raymond. A STUDY OF THE RELATIONSHIPS IN PLANNING FOR SCHOOL BUILDINGS BETWEEN CITY PLANNING AGENCIES AND SCHOOL AUTHORITIES IN AMERICAN CITIES OVER 100,000 IN POPULATION. Minnesota U.

230. Jentze, Ralph D. AN ANALYSIS OF THE RELATIONSHIP OF ACCREDITATION, FINANCE, AND SIZE OF NEBRASKA HIGH SCHOOLS TO SCHOLASTIC ACHIEVEMENT. U. of Nebraska

231. Smith, Clifford B. A STUDY OF OPTIMUM SIZE OF SECONDARY SCHOOLS. Ohio State

232. Faust, Beaver S. VALIDATION OF CLAIMED ADVANTAGES WHEN SCHOOL BUILDINGS ARE CONSTRUCTED BY THE STATE PUBLIC SCHOOL BUILDING AUTHORITY METHOD IN PENNSYLVANIA. Penn. State U.

233. Pummel, Robert E. EDUCATIONAL PLANNING PROCEDURES FOR SCHOOL BUILDING CONSTRUCTION. U. of Southern California

224. Readville, Harry W. THE RELATIONSHIP OF INITIAL PLANT COST AND BUILDING COMPACTNESS IN SECONDARY SCHOOL BUILDINGS. Stanford

225. Richardson, Norman C. PLANNING CENTRAL OFFICE FACILITIES FOR LOCAL SCHOOL DISTRICTS. Stanford

226. Trusty, Francis M. PERCEIVED FACTORS IN THE SCHOOL- COMMUNITY RELATIONSHIP AND SCHOOL FINANCIAL SUPPORT. Stanford.

227. Schroder, Lawrence D. UTILIZATION OF ELEMENTARY SCHOOL SITES IN THE SALT LAKE CITY ELEMENTARY SCHOOLS. U. of Utah

228. Braam, Desmond H. A STUDY OF SIZE-COST-ACHIEVEMENT RELATIONSHIPS IN REORGANIZED SCHOOL DISTRICTS OF WISCONSIN. University of Wisconsin

ALABAMA, 72

ALASKA, 61

ALLOCATION OF SPACE
Departmental, 116
Floor, 108
Office, 193, 194

AMORTIZATION, 132

APPRAISING
Plant Adequacy, 30

ARCHITECT
Contracts, 127
Drawings, 15
in Mass., 33
in N. Y., 89

ARKANSAS, 221

ART ROOMS, 129

ASSESSMENT, 70, 203

BIRTH RATE, 58

BONDS AND BONDING
Vs. Pay As You Go, 14
Fidelity, 41
Issues, 192
Marketing, 95
Practices, 173
Surety, 96

BUDGET PROCEDURES, 3

CALIFORNIA, 45, 148, 162, 187

CAPACITY, 94, 156, 210

CAPITAL OUTLAY, 84, 132, 151

CENSUS
Illinois, 171
Nationwide, 154

CITY PLANNING AND SCHOOLS, 29, 229

CLASS SIZE, 17

CLASSROOMS, 115

CODES
Earthquake, 45
Sanitary, 222

COLORADO, 57

COMMUNITY
Characteristics, 87
Relations, 113, 128, 226
Use of School Plant, 73, 137
158, 212

CONNECTICUT, 90, 203

CONSOLIDATION, 46, 228

CONSTRUCTION FEATURES, 163

CONSULTANTS, 197, 200

CONTRACTS
ARCHITECTS', 127
Forms, 103

CONTROL OF PLANT BY STATE, 19, 45
50, 112, 186, 188, 232

COST (S)
Administration, 49
Allocation, 177
Building, 35,75
Business Education, 195
Initial Related to Competness, 224
Initial Related to Maintenance, 217, 227
of Levels of Elementary Education, 110
Plant Operation, 32
Post War, 92
Related to Size, 20, 25, 61, 133
Related to Subjects, 21

DEBT POLICY, 22

DEPARTMENTS OF SCHOOLS. 146
Guidance, 153
Home Economics, 16
Offices, 225
Social Studies, 196

DEPRESSION, 36

DISSERTATIONS ON SCHOOL PLANT, 168

DISTRICT
Employee, 214
Organization, 1, 27

EARTHQUAKE CODE, 45

ECONOMIC WELL-BEING
Related to Opportunity, 176

EFFICIENCY, 5

ELEMENTARY BUILDINGS, 5

ENROLLMENTS
Birth Rates, 58
Increases, 55, 118, 145, 160, 216
Influence, 104, 203
Projections, 143, 209

EQUIPMENT, 11, 24
Libraries, 174
Management, 117
Seats, 184
Specifications, 28

EXPENDITURES
Codified, 26
Related to Returns

FEDERAL
Financing of Plants, 57
Lands, 2

FINANCING
Ability of Districts, 94, 136
High Schools, 23

FINANCING (Cont.)
of Schools by the States, 68
of School Plants by the States, 57, 60, 77, 84, 93, 116, 120, 124, 150, 141, 148, 152, 186, 187, 188, 198, 202, 232
Wisconsin Schools, 62

FIRE INSURANCE
City Schools, 54
North Carolina, 47
Pennsylvania, 34

FLORIDA, 149

GEORGIA. 50

GOVERNMENTAL COOPERATION, 42, 86

GREAT BRITAIN, 122

HOME ECONOMICS, 16

HISTORY
Bellevue, Washington, 219
Federal Land, 2
Morrill Act, 56
Pennsylvania Municipal Authority, 106

IDAHO, 91

ILLINOIS, 171, 210

INDIANA, 137, 210

INSURANCE
City Schools, 54
Fire in Pa., 34
Fire in N. C., 47
Property, 44, 105

IOWA, 116, 172

JUNIOR COLLEGES, 13, 100, 165, 195

KANSAS, 205, 206

KENTUCKY, 136

LEGAL ASPECTS
of Construction in the U. S. 68
Pennsylvania, 157
Property, 159

LIBRARIES, 174

LIGHT
Related to Scholarship, 39

LONG RANGE PLANNING, 98

MAINTENANCE
Related to Initial Cost, 217, 227
in Tennessee, 181, 211

MANUALS
Planning, 114
Schools, Ala., 72
Wyoming, 166

MARYLAND, 80, 170

MASSACHUSETTS, 147

MICHIGAN, 152, 173, 192

MISSOURI, 70

MORRILL ACT, 56

MULTIPURPOSE ROOMS, 126, 207

NEBRASKA, 71, 105, 138, 155, 174, 230

NEW HAMPSHIRE, 125, 139

NEW JERSEY, 102, 190

NEWSPAPERS, 128

NEW YORK, 79, 80, 225, 226

NORTH DAKOTA, 67

OBSOLESCENCE OF BUILDINGS, 48, 80

OFFICE SPACE, 193, 194, 225

OPERATING CAPACITY, 94

OPERATION COSTS, 72, 205, 144

OPPORTUNITY RELATED TO SIZE, 82, 133

PENNSYLVANIA, 69, 106, 142, 157, 213 232

PHYSICAL EDUCATION, 9, 18, 38, 74

PLANNING
Cooperative, 223
Educational, 140
Long Range, 98
Manuals, 114
Procedures, 233
Teacher Participation, 161

POPULATION SPARSITY EFFECT, 59

PREFABRICATED SCHOOLS, 122

PRINCIPLES OF CONSTRUCTION, 83

PROCEDURES, 213, 233, 91, 116, 179

PROPERTY TAX, 43, 70

PUPIL NEEDS, 76

RURAL COMMUNITY ORGANIZATION, 1

SCHOLARSHIP AND LIGHT, 39

SHOPS, 63, 85

SITES, 67, 227

SIZE OF SCHOOL IN RELATION TO
Achievement, 53, 172, 221, 228
Community Relations, 180
Costs, 4, 8, 82, 178, 215, 230
Misc. Factors, 220

SMALL SCHOOLS, 48

SOUND EQUIPMENT, 24

STANDARDS
Analyzed, 112
General, 50
State, 45, 123, 200

STATE DEPARTMENTS
Nebraska, 138
Georgia, 150

STATE FINANCING OF SCHOOL PLANTS
57, 60, 68, 77, 93, 116, 120, 124, 186, 187, 188, 198, 202, 232

STORAGE SPACES, 225

SURVEYS
City, 7, 51
District, 7, 38, 40, 52, 65, 66, 69, 78, 88, 90, 100, 101, 102, 109, 111, 119, 125, 126, 130, 131, 139, 190, 197, 201, 226
Evaluated, 40, 51, 71, 107, 149, 169
Followed-up, 175

TECHNICAL SCHOOLS, 142

TENNESSEE, 164, 181, 182, 211

TEXAS, 76, 141

TRANSPORTATION, 31

TRENDS
Comprehensive Schools, 218
Construction, 164
Functional Rooms, 167
Schools within a School, 189, 191

UNDESIRABLE BUILDING FEATURES, 183

UNIT COSTS
Elementary Schools, 135
Higher Education, 134

UTAH, 77, 227

UTILIZATION OF PLANT, 227

VOCATIONAL
Agriculture, 87
Buildings, 83
Machine Shop, 85

VOTING AND TAXES, 224

WAR AND POST-War, 92, 151

WASHINGTON, 98, 198, 201, 219

WISCONSIN, 99, 120, 202, 228

WORKS PROGRESS ADMINISTRATION, 36

WYOMING, 166, 185